PHILIP MORRIS U. S. A.

INTER-OFFICE CORRESPONDENCE

RICHMOND, VIRGINIA

To: Mr. Art Palmer

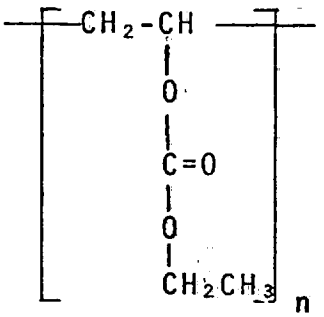
Date: August 16, 1976

From: T. V. Van Auken, H. J. Grubbs and W. R. Johnson, Jr.

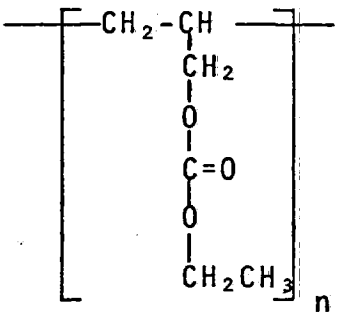
Subject: P.M. 694 - Comments on Draft

We have examined the draft of PM 694 dated August 4, 1976, and passed on to us by Dr. G. E. Inskeep. The most significant point which needs to be raised pertains to the claims. There should be a claim covering smoking article using these polymers to release diene and olefinic flavorants. Furthermore, a broader more general claim of polymers as diene and olefinic flavorant-releasing systems for any application may be in order.

We have also uncovered a fairly serious problem which makes the smoking article claim essential. We have found that poly(vinyl ethyl carbonate) (1) and poly(allyl ethyl carbonate) (2) are known compounds (Belgium 610,590, Nov. 22, 1971; D. E. Anderson, *et al.*, U.S. 2,595,214, May 6, 1952, *c.f. CA*, 46, 7367f).



1



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This will seriously interfere with claim 4, and possibly claim 1 as well.

Below is a list of minor points and typographical errors:

Page 14: The parentheses in the two structures seem unnecessary.

Page 5, ℓℓ. 3-5: The statement regarding clathrates is not precisely correct. We suggest the following substitution: "Also, clathrates tend to be unstable on tobacco due to the moisture in the tobacco".

Page 6, ¶ 1, ℓ. 5: "Mainstream" should be a single word for the sake of consistency, as should the word "sidestream".

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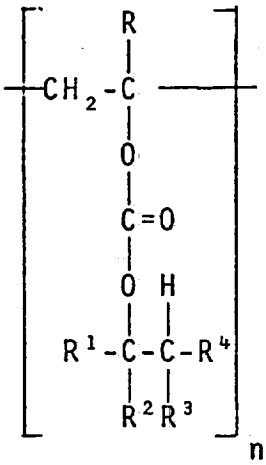
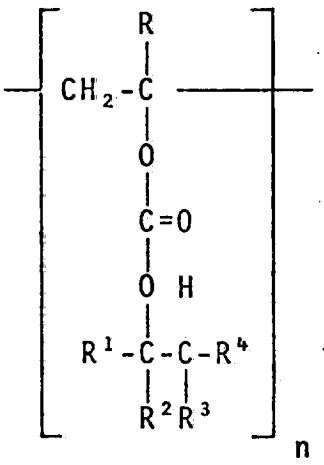
Source: https://www.industrydocuments.ucsf.edu/docs/kgcj0000

Page 7: The structure should be corrected as follows:

Should be-



Instead of-



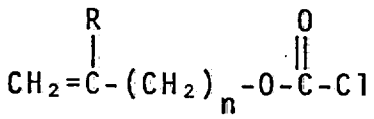
Page 9, ¶ 1, ℓ. 6: It would seem advisable to omit the words "highly preferred".

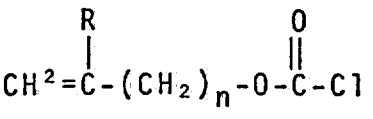
Page 10, structures:

Should be-

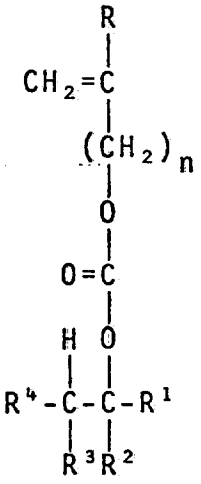
Instead of-

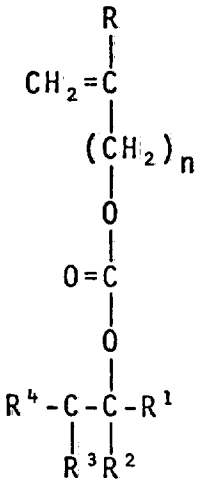
1st Structure:





3rd Structure:





Page 10, last line: There should be a reaction arrow from the two reactants shown to the product, which is the same as for the two reactions just above.

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Source: https://www.industrydocuments.ucsf.edu/docs/kgcj0000

Page 11, last sentence: Acid acceptors are used with the free alcohol rather than with the metal alcoholates. A simple correction would be to add to the end of the sentence the following phrase: "in which case the free alcohol (M=H) is normally used".

Page 13, ¶ 2, ℓ. 6: Add "can" before "impart".

Page 13, ¶ 2, ℓ. 7: Make "Sidestream" one word.

Page 13, ¶ 3, next-to-last line: Add "is" after "It".

Page 15, ¶ 2, ℓ. 3: Drop hyphen after "aqueous".

Page 23, last ¶, ℓ. 2: Inconsistent abbreviation - "50 ml".

Page 29, Example XVII, ℓ. 1: Change "116.20 grams" to "11.62 grams".

Page 30, Example XIX, ℓ. 1: Should read: "To a solution of 12.26 grams (0.12 mole) of ..."

These minor changes have been noted in red on the accompanying xerox copy for your convenience in correcting.

/slb
Enc.

cc Dr. T. S. Osdene
Dr. E. B. Sanders
Dr. G. E. Inskeep (3)

Thomas Van Arsdel
Harvey J. Gibbs
William R. Thomas Jr.

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Source: https://www.industrydocuments.ucsf.edu/docs/kgcj0000

AUG 20 1976

T. S. OSDENE

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